

**AROMATIC POLYESTER AND ITS PREPARATION**

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**Abstract of JP6122756**

**PURPOSE:**To obtain a heat-resistant, easily melt-moldable aromatic polyester by performing the interfacial polycondensation of resorcinol with 2,7-naphthalenedicarboxylic acid halide in a specified manner. **CONSTITUTION:**This aromatic polyester comprising repeating units of the formula is obtained by performing the interfacial polycondensation by contact of an aqueous medium containing resorcinol with an organic medium prepared by dissolving 2,7-naphthalenedicarboxylic acid halide in an organic solvent immiscible with the aqueous medium in the presence of a phase transfer catalyst. Because this polyester has a melting point of 219 deg.C and a heat decomposition temperature of 435 deg.C which are greatly different from each other, it can give an excellent molding not suffering the coloration and deterioration due to heat decomposition during melt molding. Further, it has a high glass transition temperature, is excellent in heat resistance and moldability, and can be extensively used in applications such as moldings, films, fibers, coating materials and adhesives in the electrical field, the automobile field, the mechanical field, the medical field and the sundry field.

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